



TECHNICAL DATA SHEET

98 Series Ball Valves

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DESCRIPTION

98 Series, wafer style construction optimizes use of material minimizing cost and pipeline weight. Easily adaptable to pneumatic or electric automation.

MATERIALS OF CONSTRUCTION

BODY, BALL: CF8M Stainless Steel

STEM: 17-4 Stainless Steel

END PLUG: 316 Stainless Steel

SEATS: Glass Reinforced P.T.F.E. (Teflon®)

BODY SEAL, STEM SEAL, INSERT SEAL: Viton®

CONNECTION / STYLE SIZES

Pipe / Raised Face Flange 2", 3"

RATINGS

TEMPERATURE: -20° F to 365° F
(also see Pressure Temperature Chart)

PRESSURE:

150# Flanges

275 psi @ 100° F

200 psi @ 365° F

300# Flanges

720 psi @ 100° F

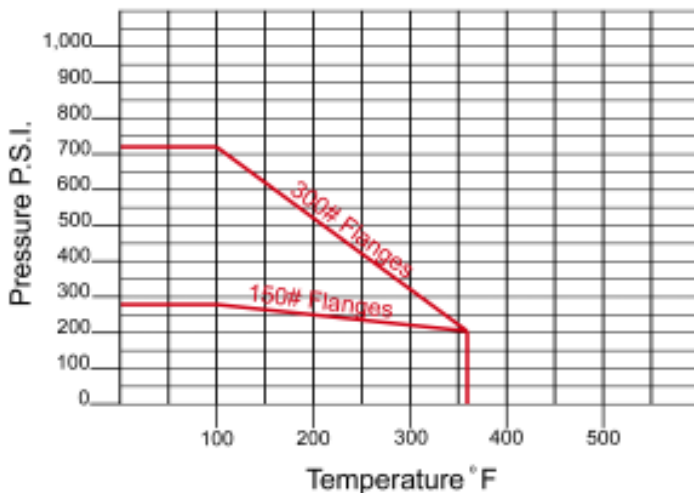
300 psi @ 321° F

(also see Pressure Temperature Chart)

VACUUM: Not Rated

SATURATED STEAM: 150 psi

Pressure / Temperature Chart



RATINGS (continued)

FLOW CHARACTERISTICS

The approximate flow rate through a valve can be calculated as follows:

$$Q = C_v \sqrt{\frac{\Delta P}{G}}$$

where; Q = flow rate in gallons (U.S. Std.) per minute
 Cv = valve constant
 P = pressure drop across the valve in pounds per square inch
 G = specific gravity of the media of relative to water

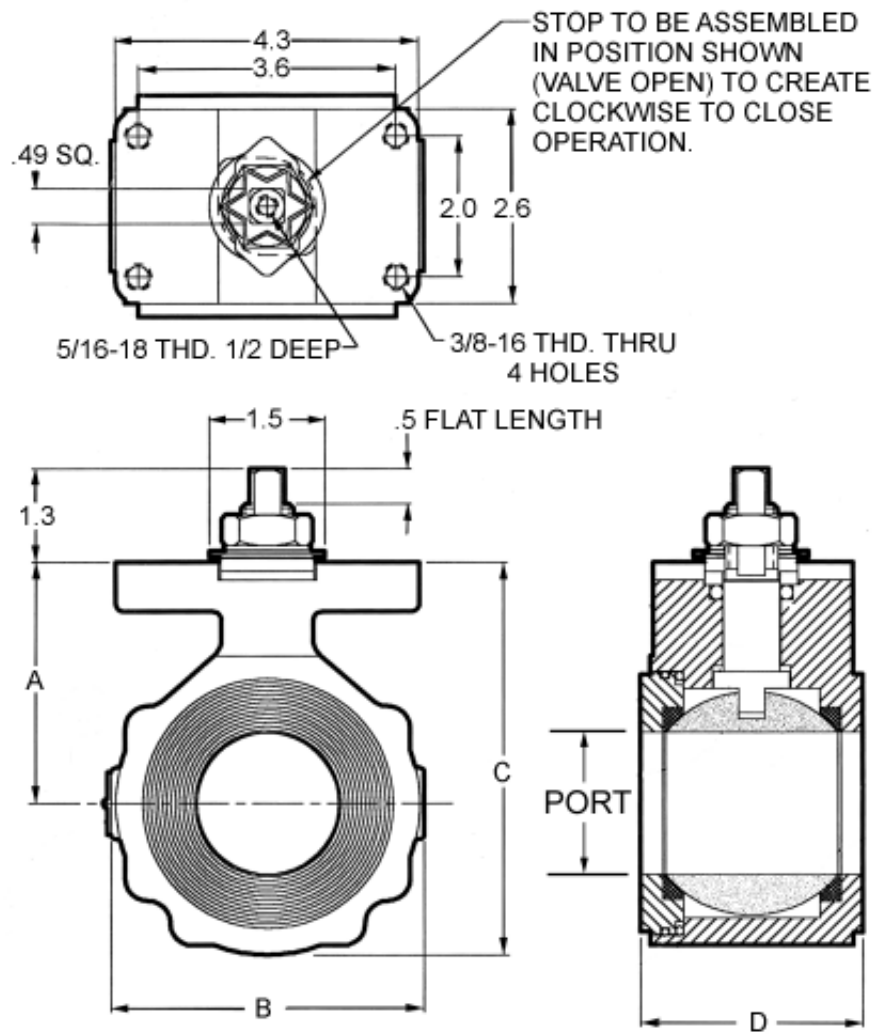
Note: The values derived from the flow equation are for estimating purposes only. Product variances or systemic factors may alter actual performance.

| | | |
|----------|-----|-----|
| Size | 2.0 | 3.0 |
| Cv Value | 240 | 580 |

MAINTENANCE

The 98 Series requires little maintenance while in service. Depending on the operating environment the valve may require that the wear items such as the seats, seals and bearings be replaced to extend the viable life of the valve. A VRK (Valve Repair Kit) containing all the wear components is available to service the valve.

DIMENSIONS



| Size / Port | A | B | C | D |
|-------------|-----|-----|-----|-----|
| 2.0 | 3.4 | 4.4 | 5.5 | 3.2 |
| 3.0 | 4.2 | 5.9 | 7.1 | 4.9 |

All dimensions are for reference only.